

In the claims:

1. A gas turbine installation, comprising:
at least one gas turbine; and
an exhaust gas chimney, formed by a transition piece of a steam generator, wherein exhaust gas from the gas turbine is introduceable into the transition piece and dischargeable from the transition piece through a chimney orifice, the transition piece including a component of the steam generator by which the exhaust gas is suppliable to a boiler region of the steam generator, and wherein the boiler region follows the transition piece in the direction of flow of the exhaust gas and includes, arranged in the boiler region, at least one heating surface for the generation of steam.
2. The gas turbine installation as claimed in claim 1, wherein the transition piece includes a sealing wall, by which the emergence of exhaust gas from the transition piece, except for the chimney orifice, is prevented.
3. The gas turbine installation as claimed in claim 2, wherein the sealing wall closes a transitional region of the transition piece, said transitional region issuing into the boiler region in the direction of flow of the exhaust gas.
4. The gas turbine installation as claimed in claim 1, wherein the chimney orifice is designed as a flow duct, relatively short in comparison with the vertical extent of the transition piece.
5. The gas turbine installation as claimed in claim 1, wherein the chimney orifice is arranged in a head region of the transition piece.
6. The gas turbine installation as claimed in claim 1, wherein the gas turbine installation is extendable to form a combined-cycle turbine installation, the transition piece being extendable to form an operational steam generator via the boiler region, and a steam turbine being connectable to the steam generator.

7. A method of using the transition piece of a steam generator, into which transition piece exhaust gas from the gas turbine is introduceable and is dischargeable from the transition piece through a chimney orifice, as an exhaust gas chimney for a gas turbine, the transition piece including a component of the steam generator by which the exhaust gas is suppliable to a boiler region of the steam generator, said boiler region following the transition piece in the direction of flow of the exhaust gas and arranged in the boiler region, at least one heating surface for the generation of steam.

8. The method as claimed in claim 7, wherein the transition piece includes a sealing wall, by which emergence of exhaust gas from the transition piece, except through the chimney orifice, is prevented.

9. The method as claimed in claim 8, wherein the sealing wall closes a transitional region of the transition piece, said transitional region issuing into the boiler region in the direction of flow of the exhaust gas.

10. The method as claimed in claim 7, wherein the chimney orifice is designed as a flow duct, relatively short in comparison with the vertical extent of the transition piece.

11. The method as claimed in claim 7, wherein the chimney orifice is arranged in a head region of the transition piece.

12. The gas turbine installation as claimed in claim 1, wherein the chimney orifice is designed as a flow duct, relatively short in comparison with the vertical extent of the transition piece and including a rectangular cross section.

13. The method as claimed in claim 7, wherein the chimney orifice is designed as a flow duct, relatively short in comparison with the vertical extent of the transition piece and including a rectangular cross section.

14. A gas turbine installation, comprising:

at least one gas turbine; and

means for introducing exhaust gas from the gas turbine into a transition piece of a steam generator, and for discharging exhaust gas from the transition piece, the transition piece including means for supplying the exhaust gas to a boiler region of the steam generator, wherein the boiler region follows the transition piece in the direction of flow of the exhaust gas and includes, arranged in the boiler region, at least one heating surface for the generation of steam.

15. The gas turbine installation as claimed in claim 14, wherein the transition piece includes a sealing wall, by which the emergence of exhaust gas from the transition piece, except for a chimney orifice, is prevented.

16. The gas turbine installation as claimed in claim 15, wherein the sealing wall closes a transitional region of the transition piece, said transitional region issuing into the boiler region in the direction of flow of the exhaust gas.

17. The gas turbine installation as claimed in claim 14, wherein a chimney orifice is designed as a flow duct, relatively short in comparison with the vertical extent of the transition piece.

18. The gas turbine installation as claimed in claim 14, wherein a chimney orifice is arranged in a head region of the transition piece.

19. The gas turbine installation as claimed in claim 14, wherein the gas turbine installation is extendable to form a combined-cycle turbine installation, the transition piece being extendable to form an operational steam generator via the boiler region, and a steam turbine being connectable to the steam generator.